other trees which seemed perfectly healthy until lately. I do not think the scale has any choice as to variety of peach, and that tree seems to be the ideal breeding place. Fully three-fourths of my peach trees are infested. At this writing I am not prepared to say whether there is any scale on the plum, pear or apple."

Ellwood:—The infestation at this point is in the orchard of V. S. Vickers. April 21st, 1898, I received information of such a nature that I felt quite sure that the insect had gained a foothold in this orchard, and in reply to my inquiry of April 23rd, Mr. Vickers sent me twigs cut from the orchard, and I found them very badly infested with the scale. The orchard was set out about three years ago. I wrote another letter of inquiry on the 30th, asking other questions regarding the trees and the general conditions of the surrounding orchards.

FREDERICK.

Frederick City:—The infestation at this place is supposed to have come on plum trees purchased in April, 1893. Mr. D. W. Coquillett, of the United States Department of Agriculture, inspected the trees December 27th, 1894, and found the scale still present upon some of the original stock. Mr. Coquillett made a second examination some time later, and was unable to find any further indications of the scale, the stock originally attacked having been destroyed.

I made a careful examination of the trees on this and other places in the vicinity September 10th, 1896, and found a very bad state of affairs. The scale was found upon cherry, apple, peach, pear, plum and quince. Some of the trees were literally covered with the pest, and a two-year-old cherry tree (Napoleon Bigarreau) had been killed. There is no question but what the scale was introduced upon stock from the nursery. An examination of trees in the gardens of several persons living in the vicinity revealed the fact that the pest has spread to a considerable extent.

Several peach trees in a lot belonging to Mr. Frederick Kintz were very badly infested. It was found also on plum trees in the yard of Mr. E. M. Dyer, and upon peach in the gardens of Messrs. P. R. Renner, D. S. Rice and L. F. Kussmaul. It was also noticed upon a small peach tree in the yard of Mrs. John Holmes. A bulletin (No. 42, Maryland Experiment Station) containing information about this insect was sent to each of the above named individuals, and attention called to the presence of this dangerous pest upon their premises.

At the time of my visit, September 28th, 1896, I found all the infested trees on the premises where the pest was originally introduced had been destroyed; but several infested peach trees on adjoining lots were still standing. The attention of the owner was again called to the necessity of immediate action for their destruction.

I made another inspection of these places September 3rd and 4th. 1897, and found that the scale was still present. Two peach trees on the lot belonging to Mr. Dyer were literally covered. These trees were also infested with the terrapin scale (*Lecanium-negro-fasciatus*). I advised Mr. Dyer in a letter September 9th that it would be

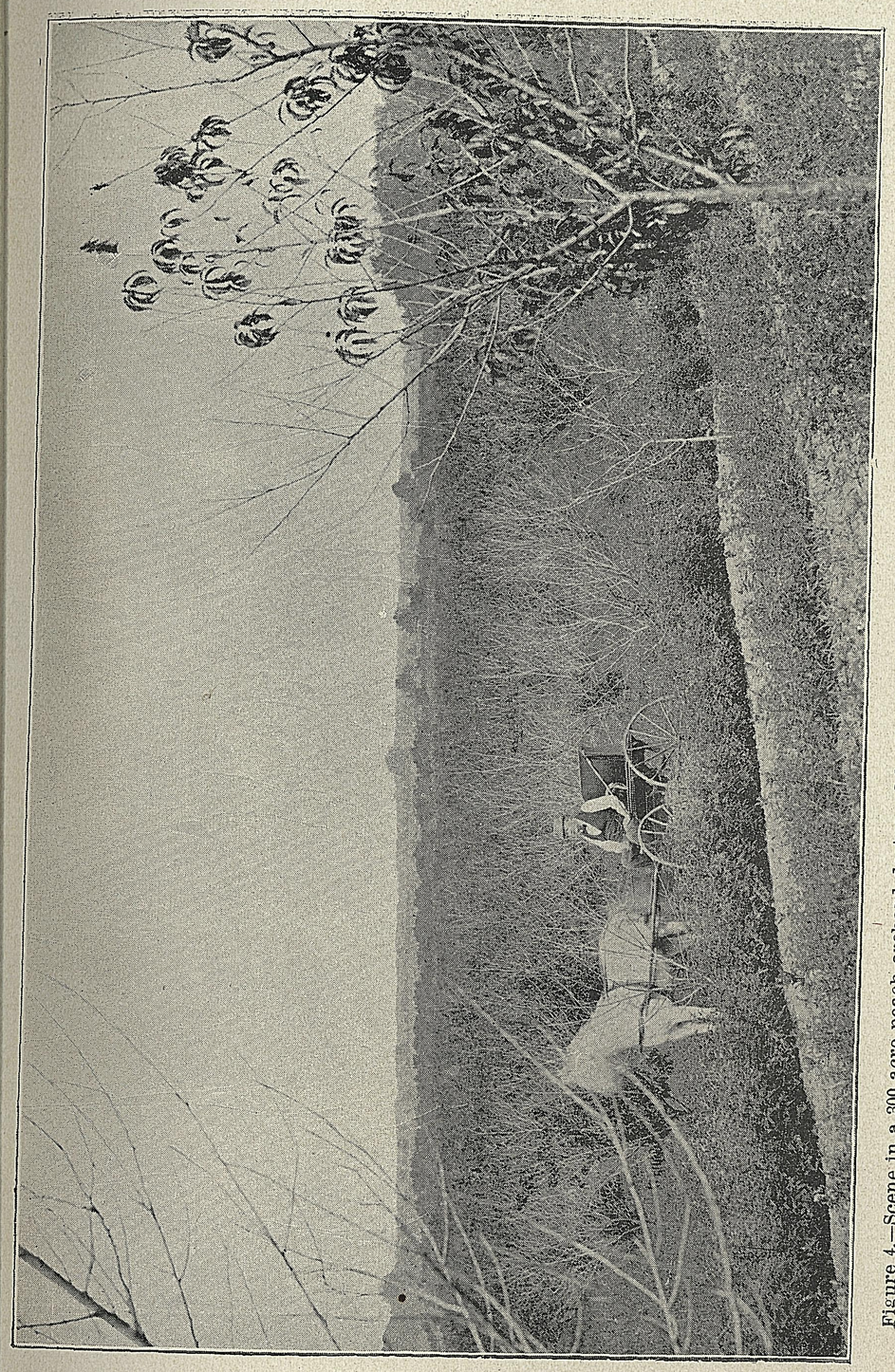

Figure 4.—Scene in a 300 acre peach orchard destroyed by the San Jose scale. Very few trees with any signs of life. From a photograph taken August 6, 1897, by W. G. Johnson.